



## Utah Governor's Office *of* Economic Development

### Create Team

### Energy & Natural Resources Cluster Strategy 2010



**BUSINESS RESOURCE CENTERS ■ CAPITAL FORMATION ■ CENTERS OF EXCELLENCE ■ CORPORATE INCENTIVES UTAH ■ UTAH FILM COMMISSION ■ INTERNATIONAL DEVELOPMENT OFFICE ■ OFFICE OF CONSUMER HEALTH SERVICES ■ PROCUREMENT ASSISTANCE ■ OFFICE OF RURAL DEVELOPMENT ■ STATE SCIENCE ADVISOR ■ UTAH OFFICE OF TOURISM**



Utah Governor's Office *of*  
Economic Development

**UTAH**  
LIFE ELEVATED



# Energy Sources

## Traditional

**Conventional:** Oil, Gas & Coal

**Management:** Water, Land & Air

**Independence:** Diverse Natural Resources & Infrastructure

## Alternative

**Unconventional:** Oil Shale/Sands, Coal to Liquid , CO<sub>2</sub> Enhanced Oil Recovery, CO<sub>2</sub> Sequestration and Nuclear

**Renewable:** Hydroelectric, Wind, Solar, Biomass/Fuels, Geothermal and Waste Gas/Heat Recovery

**Efficiency:** Demand-Side Management & Conservation



Utah Governor's Office of  
Economic Development

**UTAH**  
LIFE ELEVATED



# Energy & Natural Resources

## Cluster Snap-Shot

	2004 (12 month ave.)	2009 (6 month ave.)	% Change
# of Employers	918	1141	24%
# of Employees	12,060	20,289	68%
Ave. Annual Wage	\$4,596	\$4,770	4%

- **Key Employers:** Kennecott Utah Copper, PacifiCorp, Newfield Exploration Co, Canyon Fuels Co, Energy West, West Ridge Resources, Halliburton, Boart Longyear, Intermountain Power Services, Chevron Corp, US Magnesium, SII Megadiamond
- **Key Additions:** First Wind & Raser Technologies



Utah Governor's Office of  
Economic Development

**UTAH**  
LIFE ELEVATED



# Energy & Natural Resources

## Cluster Director

### Central Point

Utah created an economic point person to help move initiatives and programs forward.

### Team Work

GOED & USEP teamed together to fund position using state funds and federal stimulus money.

### Utah

Has been long recognized as a leader in energy resources, and with the numerous new and traditional energy technologies hitting the market, our workforce and entrepreneurial spirit will keep us right on track.



Utah Governor's Office of  
Economic Development

<http://business.utah.gov/news/articles/governors-office-economic-development-hires-energy/>

**UTAH**  
ECONOMIZED



# Cluster Goals

- **Short-term:** Expand local Utah companies and recruit out-of-state companies and to invest in generation, manufacturing, technology and efficiency to increase the average wage and number of employees in the cluster.
- **Long-term:** Utah becomes known for their friendly business practices toward energy development and all of its energy resources – Utah open for business!





# Cluster Strategy

## ✓ **Connect**

- ❖ Link organizations together to advance synergistic resources, opportunities and capabilities.
- ❖ Recognize and promote Utah's advantages.

## ✓ **Industry**

- ❖ Grow industry supply chains and the various players within them.
- ❖ Promote reaching Utah's Energy Goals.

## ✓ **Education**

- ❖ Support the advancement of workforce development and training efforts.
- ❖ Create an understanding of the energy sectors for the general public through outreach efforts.

## ✓ **Infrastructure**

- ❖ Assist with electricity transmission initiatives.
- ❖ Champion planning and technological advancements in transportation.





# Ongoing Efforts

**Energy Working Group (EWG)**

**Utah Military Installations Energy Collaborative (MIEC)**

**Utah Generated Renewable Energy Electricity Network  
(UGREEN)**

**Governor's Economic Summit – Energy Breakout Session**

**Media**

**Energy Management Program Advisory Committee**



Utah Governor's Office of  
Economic Development

**UTAH**  
LIFE ELEVATED





# Utah Governor's Office *of* Economic Development

**Samantha Mary Julian**

[sjulian@utah.gov](mailto:sjulian@utah.gov)

<http://business.utah.gov>

**BUSINESS RESOUE CENTERS ■ CAPITAL FORMATION ■ CENTERS OF EXCELLENCE ■ CORPORATE  
INCENTIVES UTAH ■ UTAH FILM COMMISSION ■ INTERNATIONAL DEVELOPMENT OFFICE ■ OFFICE  
OF CONSUMER HEALTH SERVICES ■ PROCUREMENT ASSISTANCE ■ OFFICE OF RURAL  
DEVELOPMENT ■ STATE SCIENCE ADVISOR ■ UTAH OFFICE OF TOURISM**



Utah Governor's Office *of*  
Economic Development

**UTAH**  
LIFE ELEVATED